

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                        |                               |
|---|------------------------|-------------------------------|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No.    | 250806-1310                   |
|   | First Inventor         | Yang tal.                     |
|   | Title                  | Liquid Crystal Display Device |
|   | Express Mail Label No. | EV269334508US                 |

22381 U.S. PTO  
10/658846

09/09/03

|  |  |
|--|--|
| <b>APPLICATION ELEMENTS</b><br>See MPEP Chapter 600 concerning utility patent application contents | <b>ADDRESS TO:</b><br>Mail Stop Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
|--|--|

☐ APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)

|   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original, and a duplicate for fee processing)                                       | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)            |
| 2. <input type="checkbox"/> Applicant claims small entity status. See CFR 1.27  | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary) |
| 3. <input checked="" type="checkbox"/> Specification<br>(preferred arrangement set forth below) [Total Pages <b>25</b> ]  | a. <input type="checkbox"/> Computer Readable Copy (CRF)   |
| - Descriptive title of the invention  | b. Specification Sequence Listing on:  |
| - Cross Reference to Related Applications   | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or  |
| - Statement Regarding Fed. Sponsored R&D  | ii. <input type="checkbox"/> Paper   |
| - Reference to sequence listing, a table, or a computer program listing appendix  | c. <input type="checkbox"/> Statements verifying identity of above copies                                      |
| - Background of the Invention   |  |
| - Brief Summary of the Invention  |  |
| - Brief Description of the Drawings (if filed)  |  |
| - Detailed Description  |  |
| - Claim(s)  |  |
| - Abstract of the Disclosure  |  |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <b>4</b> ]   |  |
| 5. Oath or Declaration [Total Pages <b>2</b> ]  |  |
| a. <input checked="" type="checkbox"/> Newly Executed (original or copy)  |  |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.63(d))<br>(for continuation/divisional with Box 18 completed)  |  |
| i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). |  |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76   |  |

#### ACCOMPANYING APPLICATION PARTS

|   |
|---|
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & Documents(s))   |
| 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney                    |
| 11. <input type="checkbox"/> English Translation Document (if applicable)   |
| 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations                   |
| 13. <input type="checkbox"/> Preliminary Amendment  |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)                                 |
| 15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)                              |
| 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).<br>Applicant must attach form PTO/SB/35 or its equivalent. |
| 17. <input type="checkbox"/> Other:   |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior application information: Examiner

Group / Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

#### 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **24504**  
(Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below

|         |  |           |              |
|---------|--|-----------|--------------|
| NAME    | Daniel R. McClure                            |           |              |
|         | Thomas, Kayden, Horstemeyer & Risley, L.L.P. |           |              |
| ADDRESS | 100 Galleria Parkway                         |           |              |
|         | Suite 1750                                   |           |              |
| CITY    | Atlanta                                      | STATE     | Georgia      |
| COUNTRY | U.S.A.                                       | TELEPHONE | 770-933-9500 |
|         |  | ZIP CODE  | 30339-5948   |
|         |  | FAX       | 770-951-0933 |

|                   |                          |                                   |        |
|-------------------|--------------------------|-----------------------------------|--------|
| Name (Print/Type) | Daniel R. McClure        | Registration No. (Attorney/Agent) | 38,962 |
| Signature         | <i>Daniel R. McClure</i> | Date                              | 9-9-03 |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|                              |  |                    |  |  |
|------------------------------|--|--------------------|--|--|
| <br>09/09/03<br>45 U.S. PAT. | <b>FREE TRANSMITTAL</b><br><b>for FY 2003</b>                                  |                    | <i>Patent fees are subject to annual revision.</i> |  |
|                              | <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |                    | <b>Complete If Known</b>                           |  |
|                              | <b>AMOUNT OF PAYMENT</b>   |                    | <b>(S)1252.00</b>                                  |  |
|                              | <b>Application Number</b>  |                    | <b>Unassigned</b>                                  |  |
|                              | <b>Filing Date</b>   |                    | <b>September 9, 2003</b>                           |  |
| <b>First Named Inventor</b>  |  | <b>Yang et al.</b> |  |  |
| <b>Examiner Name</b>         |  | <b>Unassigned</b>  |  |  |
| <b>Group Art Unit</b>        |  | <b>Unassigned</b>  |  |  |
| <b>Attorney Docket No.</b>   |  | <b>250806-1310</b> |  |  |

| METHOD OF PAYMENT (check all that apply)  |   |
|---|---|
| <input type="checkbox"/> Check  | <input checked="" type="checkbox"/> Credit Card |
| <input type="checkbox"/> Money Order  | <input type="checkbox"/> Other                  |
| <input type="checkbox"/> None   |   |
| <input checked="" type="checkbox"/> Deposit Account   |   |
| Deposit Account Number  | 20-0778   |
| Deposit Account Name  | Thomas, Kayden, Horstemeyer Risley              |
| The Commissioner is authorized to: (check all that apply)   |   |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below   |   |
| <input checked="" type="checkbox"/> Credit any overpayments   |   |
| <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application                  |   |
| <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account |   |

| FEE CALCULATION     |          |              |          |                        |
|---------------------|----------|--------------|----------|------------------------|
| 1. BASIC FILING FEE |          |              |          |                        |
| Large Entity        |          | Small Entity |          |                        |
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) | Fee Description        |
| 1001                | 750      | 2001         | 375      | Utility Filing Fee     |
| 1002                | 330      | 2002         | 165      | Design Filing Fee      |
| 1003                | 520      | 2003         | 260      | Plant Filing Fee       |
| 1004                | 750      | 2004         | 375      | Reissue Filing Fee     |
| 1005                | 160      | 2005         | 80       | Provisional Filing Fee |
| SUBTOTAL (1)        |          |              |          | (S)750                 |

| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE |    |              |                |   |                     |
|---|----|--------------|----------------|---|---------------------|
|   |    | Extra Claims | Fee From Below | X | Fee Paid            |
| Total Claims                                | 41 | -20** =      | 21             | X | 18.00 = 378         |
| Independent Claims                          | 4  | -3** =       | 1              | X | 84.00 = 84          |
| Multiple Dependent                          | 0  |              |                |   | 280.00 = 0          |
|   |    |              |                |   | SUBTOTAL (2) (S)462 |

| Large Entity |          | Small Entity |          |   |
|--------------|----------|--------------|----------|---|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) | Fee Description   |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                    |
| 1201         | 84       | 2201         | 42       | Independent claims in excess of 3                         |
| 1203         | 280      | 2203         | 140      | Multiple dependent claim, if not paid                     |
| 1204         | 84       | 2204         | 42       | **Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | **Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) |          |              |          | (S)462  |

\*\*or number previously paid, if greater; For Reissues, see above

| 3. ADDITIONAL FEES  |          |              |          |  |          |
|---------------------|----------|--------------|----------|--|----------|
| Large Entity        |          | Small Entity |          |  |          |
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) | Fee Description  | Fee Paid |
| 1051                | 130      | 2051         | 65       | Surcharge-late filing fee or oath  |          |
| 1052                | 50       | 2052         | 25       | Surcharge-late provisional filing fee or cover sheet                       |          |
| 1053                | 130      | 1053         | 130      | Non-English specification  |          |
| 1812                | 2,520    | 1812         | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804                | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805                | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251                | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252                | 410      | 2252         | 205      | Extension for reply within second month                                    |          |
| 1253                | 930      | 2253         | 465      | Extension for reply within third month                                     |          |
| 1254                | 1,450    | 2254         | 725      | Extension for reply within fourth month                                    |          |
| 1255                | 1,970    | 2255         | 985      | Extension for reply within fifth month                                     |          |
| 1401                | 320      | 2401         | 160      | Notice of Appeal   |          |
| 1402                | 320      | 2402         | 160      | Filing a brief in support of an appeal                                     |          |
| 1403                | 280      | 2403         | 140      | Request for oral hearing   |          |
| 1451                | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452                | 110      | 2452         | 55       | Petition to revive-unavoidable   |          |
| 1453                | 1,300    | 2453         | 650      | Petition to revive-unintentional   |          |
| 1501                | 1,300    | 2501         | 650      | Utility issue fee (or reissue)   |          |
| 1502                | 470      | 2502         | 235      | Design issue fee   |          |
| 1503                | 630      | 2503         | 315      | Plant issue fee  |          |
| 1460                | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807                | 50       | 1807         | 50       | Processing fee for provisional application                                 |          |
| 1806                | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021                | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) | 40       |
| 1809                | 750      | 2809         | 375      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810                | 750      | 2810         | 375      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801                | 750      | 2801         | 375      | Request for Continued Examination (RCE)                                    |          |
| 1802                | 900      | 1802         | 900      | Request for expedited examination of a design application                  |          |
| Other fee (specify) |          |              |          |  |          |
| SUBTOTAL (3)        |          |              |          |  | (S) 40   |

\*Reduced by Basic Filing Fee Paid

| Submitted by      |                   | Complete (if applicable) |                                 |
|-------------------|-------------------|--------------------------|---------------------------------|
| Name (Print/Type) | Daniel R. McClure | Registration No.: 38,962 | Telephone Number (770) 933-9500 |
| Signature         |                   | Date                     | 9-9-03                          |

WARNING: Information on this form may become public. Credit Card information should not be included on this form.

Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **Yang et al.**For: **Liquid Crystal Display Device****CERTIFICATE OF EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

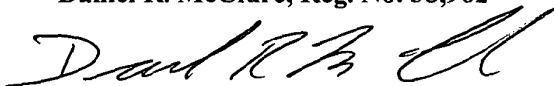
Enclosed for filing in the above case are the following documents:

Return Postcard  
Utility Patent Application Transmittal Page  
Fee Transmittal Page  
Utility Patent Application Consisting Of:  
    17 Pages of Specification  
    7 Pages of Claims (Claims 1-41)  
    1 Page of Abstract  
    4 Pages of Formal Drawings (Figs. 1-7)  
Credit Card Authorization Form (Amount: \$1252.00)  
Declaration (executed)  
Assignment/Recordation Cover Sheet  
Claim of Priority to and Submission of...  
Certified Copy of Priority Doc

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Daniel R. McClure, Reg. No. 38,962



**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

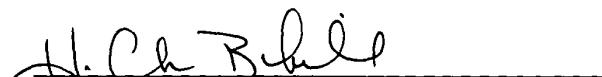
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

Our Docket No: **250806-1310**

---

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EV269334508US**.

Date: Sept. 9, 2003  
Hui Chin Barnhill

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of: Yang et al.

Group Art Unit: Unassigned

Serial No.: Unassigned

Examiner: Unassigned

Filed: September 9, 2003

Docket No. 250806-1310

For: **Liquid Crystal Display Device**

**CLAIM OF PRIORITY TO AND**  
**SUBMISSION OF CERTIFIED COPY OF REPUBLIC OF CHINA APPLICATION**  
**PURSUANT TO 35 U.S.C. §119**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In regard to the above-identified pending patent application and in accordance with 35 U.S.C. §119, Applicants hereby claim priority to and the benefit of the filing date of Republic of China patent application entitled, "Liquid Crystal Display Device", filed December 9, 2002, and assigned serial number 91135537. Further pursuant to 35 U.S.C. §119, enclosed is a certified copy of the Republic of China patent application

Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**

By:



**Daniel R. McClure, Reg. No. 38,962**

100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339  
770-933-9500